

# Pedestrians

## Section 7: Pedestrians

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0

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6



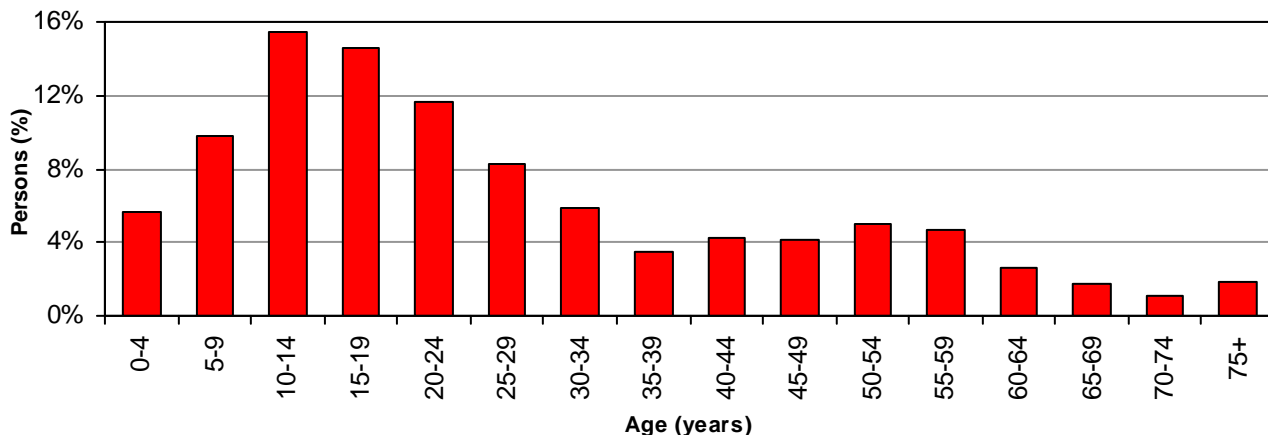
## PEDESTRIANS



### Did you know in 2006:

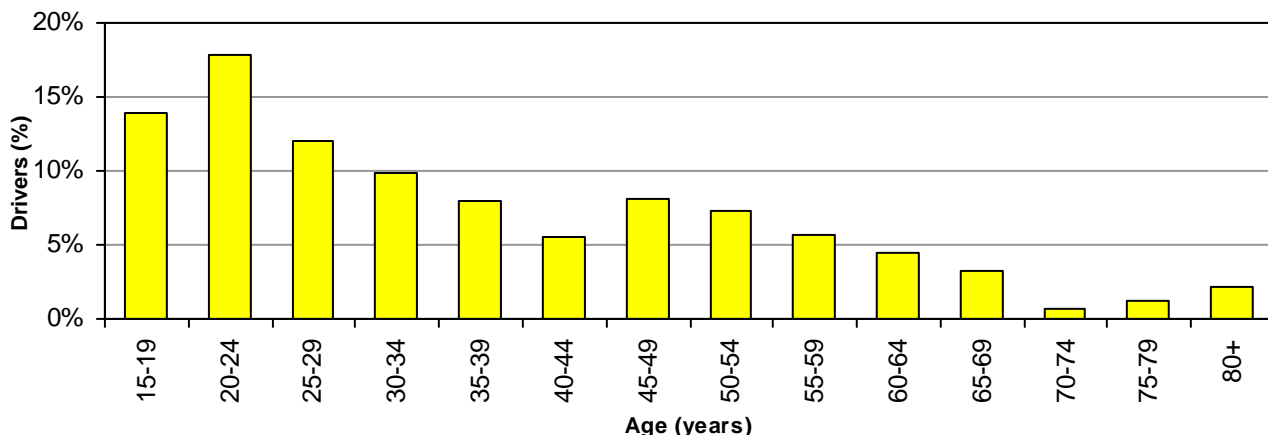
- 701 pedestrians were struck by motor vehicles; 617 were injured and 29 were killed.
- Pedestrians accounted for 1% of persons in crashes and 10% of deaths.
- Pedestrians hit in a crash were 24 times more likely to be killed than other persons in crashes.

### Age of Pedestrians in Pedestrian-Motor Vehicle Crashes (Utah 2006)



- Over half (57%) of the pedestrians in crashes were under 25 years of age.

### Age of Drivers in Pedestrian-Motor Vehicle Crashes (Utah 2006)



- Over half (54%) of drivers in pedestrian-motor vehicle crashes were aged 15-34 years.

### Leading Contributing Factors of Drivers in Pedestrian Crashes (Utah 2006)

1. Failed to Yield Right of Way (27%)
2. Driver Distraction (8%)
3. Hit and Run (8%)
4. Speed Too Fast (5%)
5. Defective Condition of Vehicle (5%)



### Leading Contributing Factors of Pedestrians in Crashes (Utah 2006)

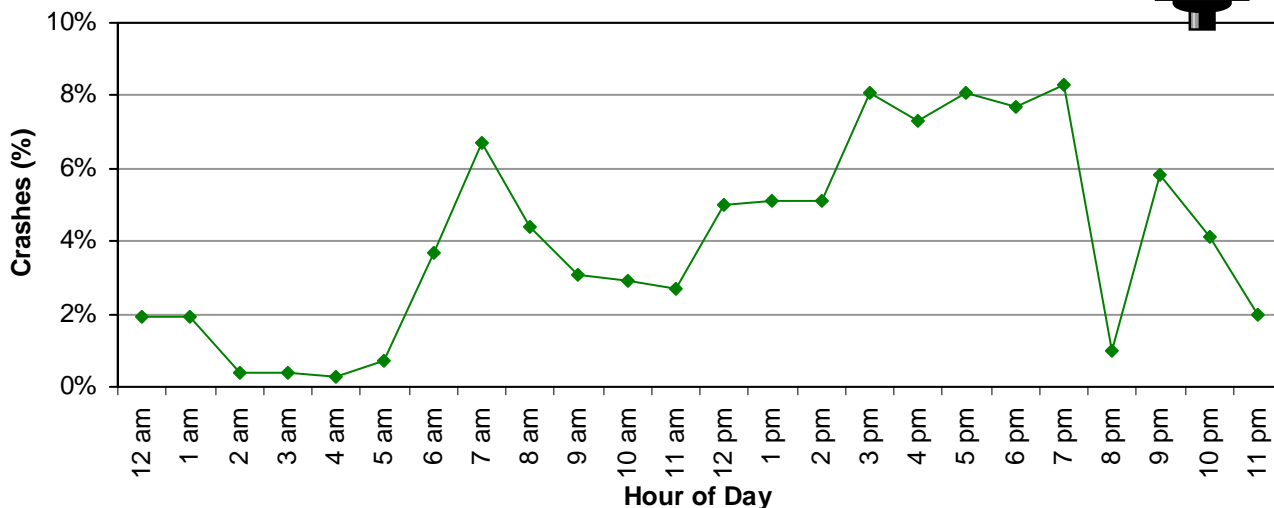
1. Darting (16%)
  2. Improper Crossing (16%)
  3. Not Visible (7%)
- 38% of pedestrians had no contributing factor in the crash.



## PEDESTRIANS

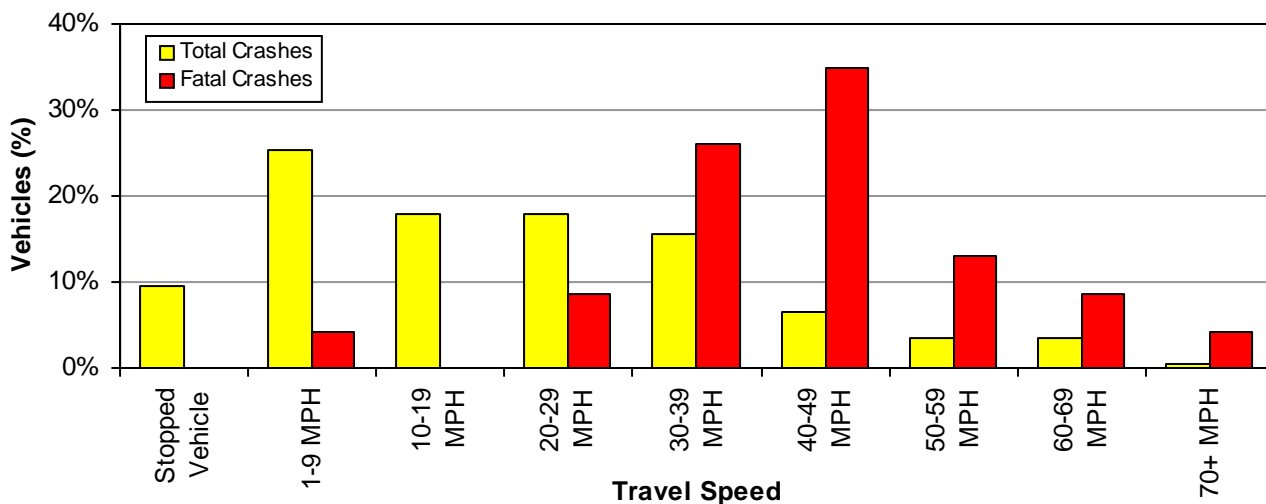


**Pedestrian-Motor Vehicle Crashes by Hour of Day (Utah 2006)**



- Pedestrian-motor vehicle crashes occurred most often between 3:00 p.m.-7:00 p.m. There was also a peak at 7:00 a.m.

**Pedestrian-Motor Vehicle Crashes by Travel Speed of Vehicle (Utah 2006)**



- The higher the speed of the vehicle the more likely the pedestrian was injured or killed in a crash.
- Pedestrians hit by a vehicle traveling 30 MPH or higher were 19 times more likely to die.

### Location of Pedestrians in Crashes (Utah 2006)

1. Intersection—Marked Crosswalk (36%)
2. In Roadway Not at Intersection/Crosswalk (32%)
3. Intersection—Unmarked Crosswalk (9%)
4. Sidewalk (6%)
5. Shoulder (5%)

### Motor Vehicle Action Prior to Crash (Utah 2006)

1. Straight Ahead (54%)
2. Turning Left (13%)
3. Turning Right (12%)
4. Changing Lanes (4%)
5. Overtaking/Passing (3%)

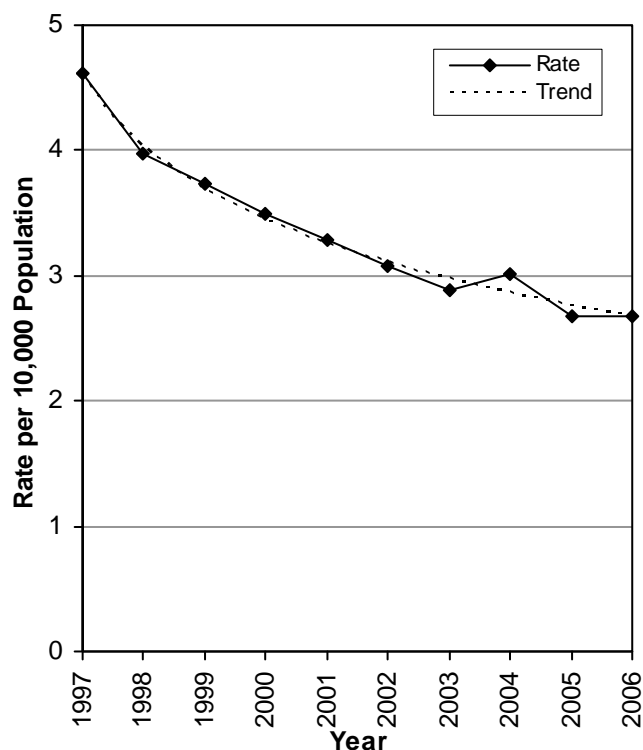


## Trends

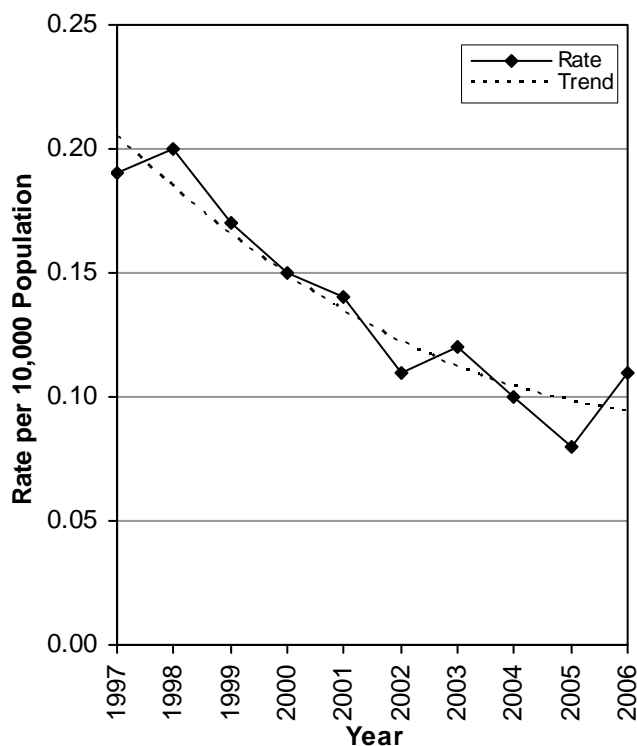
### Pedestrians in Crashes (Utah 1997-2006)

Pedestrians								
Year	Non-Injured		Injured		Killed		Total	
	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.
1997	41	0.20	889	4.23	39	0.19	969	4.62
1998	33	0.15	774	3.61	43	0.20	850	3.97
1999	32	0.15	748	3.41	38	0.17	818	3.73
2000	44	0.20	708	3.15	33	0.15	785	3.49
2001	39	0.17	682	2.97	33	0.14	754	3.28
2002	32	0.14	664	2.84	25	0.11	721	3.08
2003	42	0.18	616	2.58	28	0.12	686	2.88
2004	45	0.18	675	2.73	25	0.10	745	3.02
2005	35	0.14	626	2.46	20	0.08	681	2.67
2006	55	0.21	617	2.36	29	0.11	701	2.68
<b>Total</b>	<b>398</b>	<b>0.19</b>	<b>6,999</b>	<b>3.38</b>	<b>313</b>	<b>0.15</b>	<b>7,710</b>	<b>3.72</b>

#### Pedestrian Crash Rates Per Population (Utah 1997-2006)



#### Pedestrian Death Rates Per Population (Utah 1997-2006)



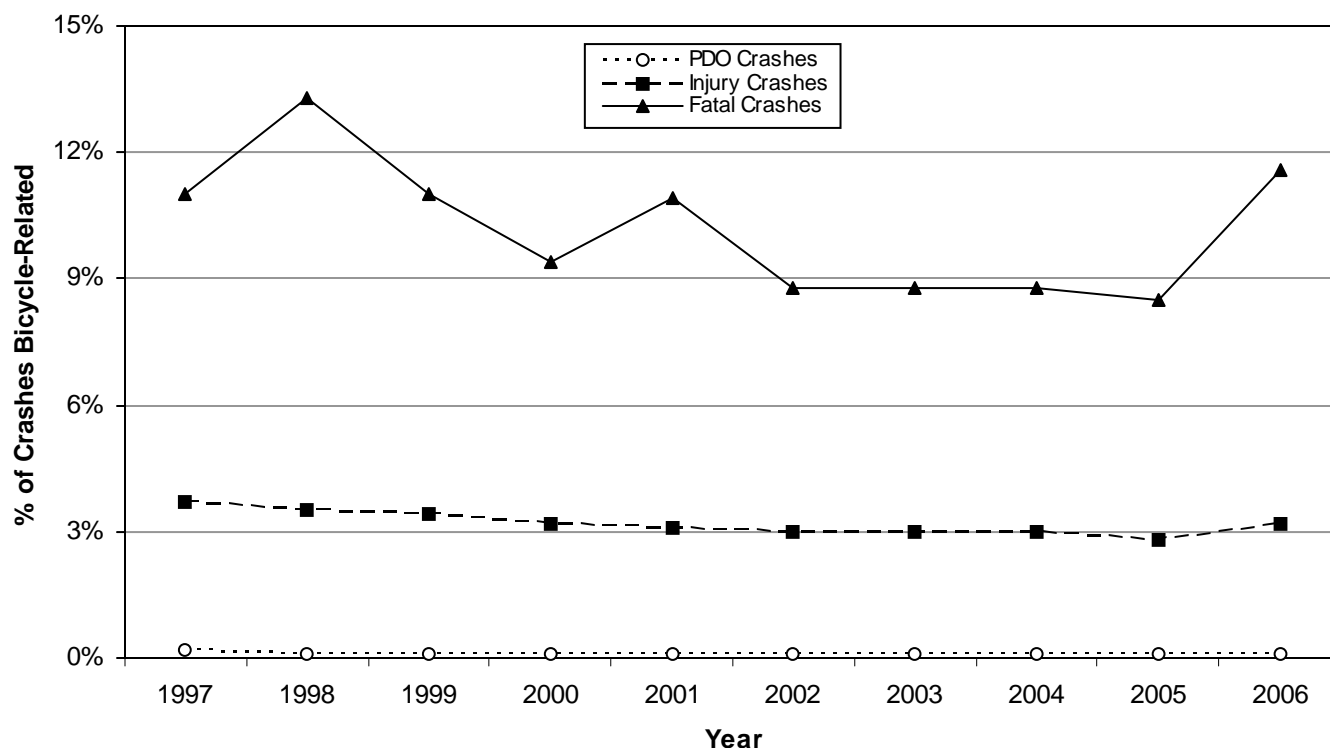
- Over the last 10 years, total pedestrian crash rates per population have followed a decreasing trend.
- In 2006, the total rate per population of pedestrians in crashes increased slightly from 2005.
- 2005 had the lowest rate per population of total pedestrians in crashes (2.67).
- Over the last 10 years, fatal pedestrian crash rates per population have followed a decreasing trend.
- In 2006, the rate per population of pedestrians killed in crashes increased 37% from 2005.
- 2005 had the lowest rate per population of pedestrians killed in crashes (0.08).

## Trends

### Pedestrian-Motor Vehicle Crashes (Utah 1997-2006)

Pedestrian-Motor Vehicle Crashes												
	Property Damage Only			Injury			Fatal			Total		
	All	Ped	Ped	All	Ped	Ped	All	Ped	Ped	All	Ped	Ped
Year	#	#	%	#	#	%	#	#	%	#	#	%
1997	33,512	77	0.2%	21,131	773	3.7%	309	34	11.0%	54,952	884	1.6%
1998	34,337	28	0.1%	19,427	679	3.5%	308	41	13.3%	54,072	748	1.4%
1999	32,971	24	0.1%	19,513	661	3.4%	318	35	11.0%	52,802	720	1.4%
2000	33,269	31	0.1%	19,564	626	3.2%	318	30	9.4%	53,151	687	1.3%
2001	33,113	30	0.1%	19,332	597	3.1%	258	28	10.9%	52,703	655	1.2%
2002	33,542	28	0.1%	19,552	584	3.0%	274	24	8.8%	53,368	636	1.2%
2003	31,842	36	0.1%	18,285	540	3.0%	262	23	8.8%	50,389	599	1.2%
2004	34,222	37	0.1%	19,423	583	3.0%	260	23	8.8%	53,905	643	1.2%
2005	35,158	28	0.1%	19,545	552	2.8%	235	20	8.5%	54,938	600	1.1%
2006	37,749	33	0.1%	18,189	580	3.2%	249	29	11.6%	56,187	642	1.1%
<b>Total</b>	<b>339,715</b>	<b>352</b>	<b>0.1%</b>	<b>193,961</b>	<b>6,175</b>	<b>3.2%</b>	<b>2,791</b>	<b>287</b>	<b>10.3%</b>	<b>536,467</b>	<b>6,814</b>	<b>1.3%</b>

### Percent of Crashes Pedestrian-Related (Utah 1997-2006)



- The 10-year trend shows that pedestrian-motor vehicle crashes represent 0.1% of property damage only crashes, 3.2% of injury crashes, and 10.3% of fatal crashes.
- Pedestrians are over-represented in fatal crashes accounting for 10.3% of fatal crashes compared to 1.3% of total crashes.
- From 2005 to 2006, the number of total crashes that involved a pedestrian increased 7.0%.
- During the last 10 years, the highest percent of fatal crashes involving pedestrians occurred in 1998 (13.3%).

## Counties

### Pedestrians in Crashes by County (Utah 2006)

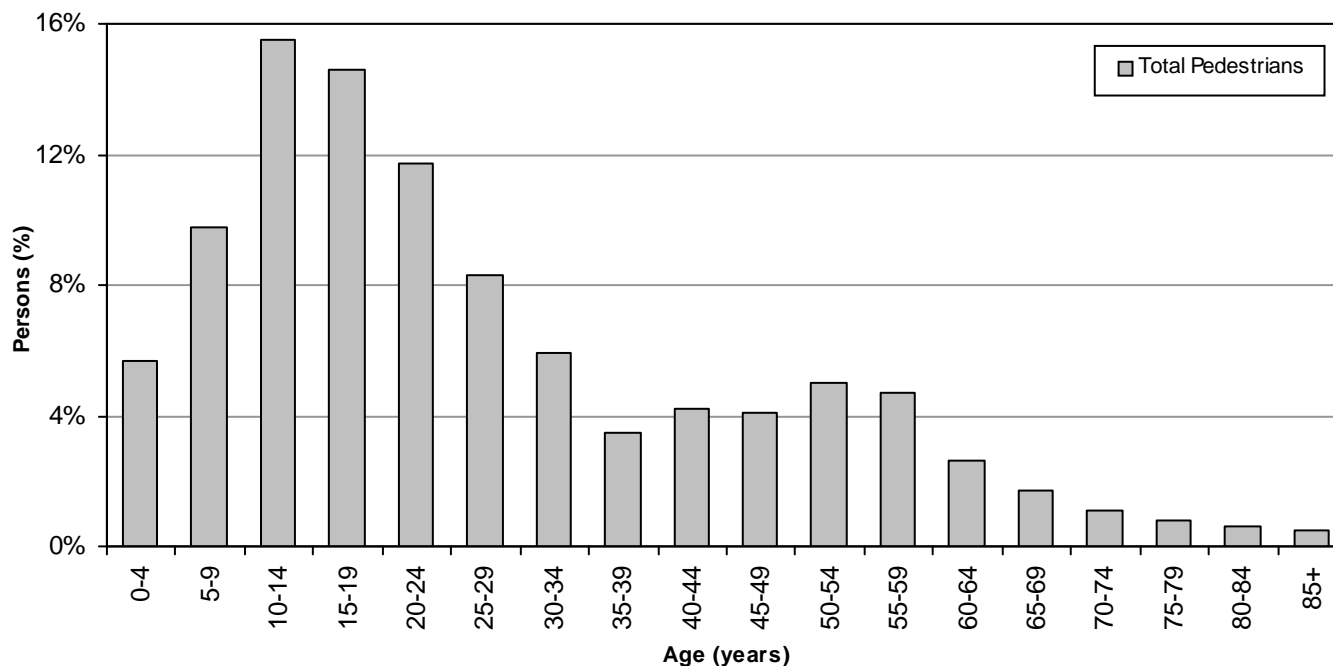
Pedestrians								
County	Non-Injured		Injured		Killed		Total	
	#	Rate	#	Rate	#	Rate	#	Rate
		per		per		per		per
		10,000		10,000		10,000		10,000
	#	Pop.	#	Pop.	#	Pop.	#	Pop.
Grand	0	0.00	7	7.76	0	0.00	7	7.76
Beaver	0	0.00	3	4.67	0	0.00	3	4.67
Salt Lake	32	0.32	328	3.29	12	0.12	372	3.73
Iron	2	0.46	12	2.76	0	0.00	14	3.22
Weber	6	0.28	48	2.22	1	0.05	55	2.55
Wasatch	1	0.47	4	1.90	0	0.00	5	2.37
Davis	3	0.10	54	1.88	5	0.17	62	2.16
Washington	1	0.07	27	2.00	1	0.07	29	2.15
Utah	7	0.15	90	1.89	5	0.11	102	2.15
Garfield	0	0.00	1	2.10	0	0.00	1	2.10
Carbon	1	0.51	3	1.54	0	0.00	4	2.05
Tooele	0	0.00	9	1.66	2	0.37	11	2.02
Summit	0	0.00	7	1.90	0	0.00	7	1.90
Uintah	0	0.00	4	1.44	1	0.36	5	1.80
Box Elder	0	0.00	6	1.30	1	0.22	7	1.52
Cache	1	0.09	12	1.14	1	0.09	14	1.32
Sanpete	1	0.39	1	0.39	0	0.00	2	0.78
Duchesne	0	0.00	1	0.64	0	0.00	1	0.64
Daggett	0	0.00	0	0.00	0	0.00	0	0.00
Emery	0	0.00	0	0.00	0	0.00	0	0.00
Juab	0	0.00	0	0.00	0	0.00	0	0.00
Kane	0	0.00	0	0.00	0	0.00	0	0.00
Millard	0	0.00	0	0.00	0	0.00	0	0.00
Morgan	0	0.00	0	0.00	0	0.00	0	0.00
Piute	0	0.00	0	0.00	0	0.00	0	0.00
Rich	0	0.00	0	0.00	0	0.00	0	0.00
San Juan	0	0.00	0	0.00	0	0.00	0	0.00
Sevier	0	0.00	0	0.00	0	0.00	0	0.00
Wayne	0	0.00	0	0.00	0	0.00	0	0.00
<b>Statewide</b>	<b>55</b>	<b>0.21</b>	<b>617</b>	<b>2.36</b>	<b>29</b>	<b>0.11</b>	<b>701</b>	<b>2.68</b>

- Grand (7.76), Beaver (4.67), and Salt Lake (3.73) counties had the highest rates of pedestrians in crashes per 10,000 population.
- Daggett, Emery, Juab, Kane, Millard, Morgan, Piute, Rich, San Juan, Sevier, and Wayne counties had no pedestrians in crashes.
- Tooele (0.37), Uintah (0.36), and Box Elder (0.22) counties had the highest rates of pedestrians killed in crashes per 10,000 population.

## Pedestrian Characteristics

### Age of Pedestrians in Crashes (Utah 2006)

Pedestrians								
	Non-Injured		Injured		Killed		Total	
Age	#	%	#	%	#	%	#	%
0-4	4	7.3%	32	5.2%	2	6.9%	38	5.4%
5-9	2	3.6%	62	10.0%	1	3.4%	65	9.3%
10-14	10	18.2%	91	14.7%	2	6.9%	103	14.7%
15-19	8	14.5%	87	14.1%	2	6.9%	97	13.8%
20-24	10	18.2%	67	10.9%	1	3.4%	78	11.1%
25-29	4	7.3%	47	7.6%	4	13.8%	55	7.8%
30-34	4	7.3%	32	5.2%	3	10.3%	39	5.6%
35-39	0	0.0%	22	3.6%	1	3.4%	23	3.3%
40-44	2	3.6%	24	3.9%	2	6.9%	28	4.0%
45-49	0	0.0%	26	4.2%	1	3.4%	27	3.9%
50-54	1	1.8%	30	4.9%	2	6.9%	33	4.7%
55-59	1	1.8%	27	4.4%	3	10.3%	31	4.4%
60-64	1	1.8%	16	2.6%	0	0.0%	17	2.4%
65-69	1	1.8%	10	1.6%	0	0.0%	11	1.6%
70-74	0	0.0%	5	0.8%	2	6.9%	7	1.0%
75-79	0	0.0%	4	0.6%	1	3.4%	5	0.7%
80-84	0	0.0%	3	0.5%	1	3.4%	4	0.6%
85+	0	0.0%	2	0.3%	1	3.4%	3	0.4%
Missing	7	12.7%	30	4.9%	0	0.0%	37	5.3%
<b>Total</b>	<b>55</b>	<b>100.0%</b>	<b>617</b>	<b>100.0%</b>	<b>29</b>	<b>100.0%</b>	<b>701</b>	<b>100.0%</b>

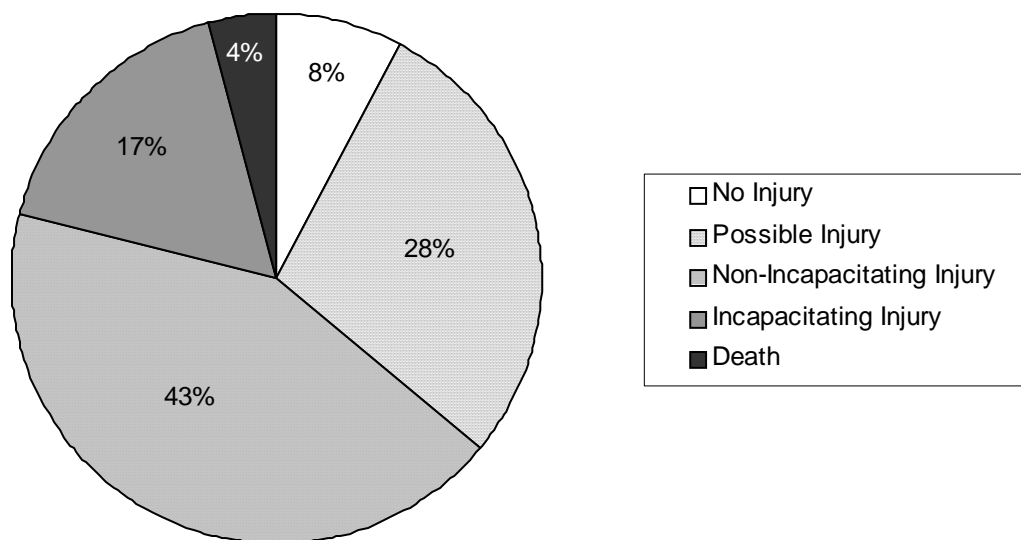


- Overall, the largest percentages of pedestrians in crashes were aged 10-14 years (14.7%), 15-19 years (13.8%), and 20-24 years (11.1%).
- The highest percentage of pedestrian deaths occurred in the 25-29 year age group (13.8%).



## Pedestrian Characteristics

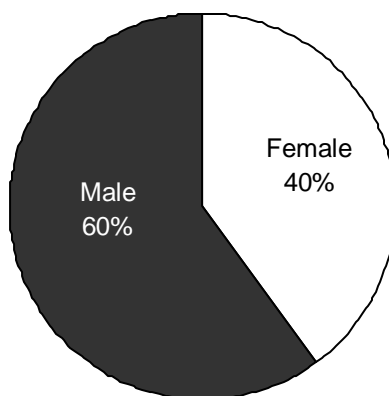
### Injury Severity of Pedestrians in Crashes (Utah 2006)



- 88.0% of pedestrians in crashes sustained an injury compared to 18.7% of all persons in motor vehicle crashes.
- The percentage of pedestrians killed in crashes (4.1%) was much higher than the percentage for all persons killed in motor vehicle crashes (0.2%).
- In fact, pedestrians hit in crashes were 24 times more likely to be killed than other persons in motor vehicle crashes.

### Gender of Pedestrians in Crashes (Utah 2006)

Pedestrians								
Gender	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Male	32	58.2%	368	59.6%	18	62.1%	418	59.6%
Female	22	40.0%	245	39.7%	11	37.9%	278	39.7%
Missing	1	1.8%	4	0.6%	0	0.0%	5	0.7%
<b>Total</b>	<b>55</b>	<b>100.0%</b>	<b>617</b>	<b>100.0%</b>	<b>29</b>	<b>100.0%</b>	<b>701</b>	<b>100.0%</b>

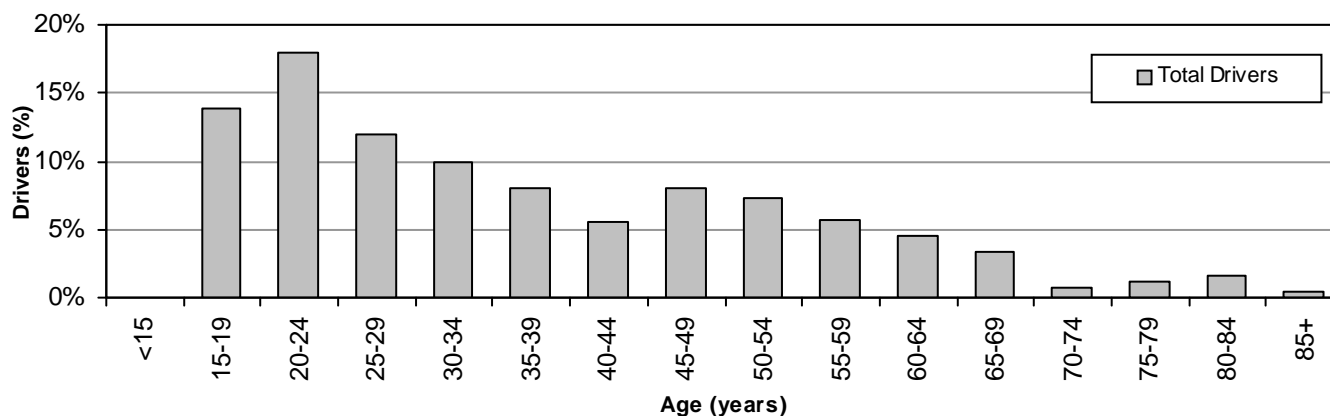


- The majority of all pedestrians hit (59.6%) and pedestrians killed (62.1%) in crashes were male.

## Driver Characteristics

### Driver Age (Utah 2006)

Drivers (Pedestrian-Motor Vehicle Crashes)								
Age	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
<15	0	0.0%	0	0.0%	0	0.0%	0	0.0%
15-19	7	20.0%	70	11.4%	3	9.7%	80	11.8%
20-24	2	5.7%	96	15.7%	5	16.1%	103	15.2%
25-29	5	14.3%	61	10.0%	3	9.7%	69	10.2%
30-34	2	5.7%	54	8.8%	1	3.2%	57	8.4%
35-39	3	8.6%	38	6.2%	5	16.1%	46	6.8%
40-44	2	5.7%	27	4.4%	3	9.7%	32	4.7%
45-49	1	2.9%	44	7.2%	2	6.5%	47	6.9%
50-54	1	2.9%	39	6.4%	2	6.5%	42	6.2%
55-59	0	0.0%	33	5.4%	0	0.0%	33	4.9%
60-64	0	0.0%	24	3.9%	2	6.5%	26	3.8%
65-69	1	2.9%	18	2.9%	0	0.0%	19	2.8%
70-74	0	0.0%	3	0.5%	1	3.2%	4	0.6%
75-79	1	2.9%	6	1.0%	0	0.0%	7	1.0%
80-84	2	5.7%	6	1.0%	1	3.2%	9	1.3%
85+	0	0.0%	3	0.5%	0	0.0%	3	0.4%
Unknown	8	22.9%	90	14.7%	3	9.7%	101	14.9%
<b>Total</b>	<b>35</b>	<b>100.0%</b>	<b>612</b>	<b>100.0%</b>	<b>31</b>	<b>100.0%</b>	<b>678</b>	<b>100.0%</b>



- Over half (53.6% of known) of drivers in total pedestrian-motor vehicle crashes were aged 15-34 years.
- The percentages of drivers in fatal pedestrian-motor vehicle crashes were highest for those aged 20-24 years (16.1%) and 35-39 years (16.1%).

### Driver Gender (Utah 2006)

Drivers (Pedestrian-Motor Vehicle Crashes)								
Gender	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Male	18	51.4%	323	52.8%	21	67.7%	362	53.4%
Female	11	31.4%	220	35.9%	8	25.8%	239	35.3%
Unknown	6	17.1%	69	11.3%	2	6.5%	77	11.4%
<b>Total</b>	<b>35</b>	<b>100.0%</b>	<b>612</b>	<b>100.0%</b>	<b>31</b>	<b>100.0%</b>	<b>678</b>	<b>100.0%</b>

- Most drivers in total pedestrian crashes (60.2% of known) and fatal crashes (72.4% of known) were male.

## Pedestrian-Motor Vehicle Crash Characteristics

### Pedestrian-Motor Vehicle Crashes by Month of Year (Utah 2006)

Pedestrians									
	Days in	Non-Injured		Injured		Killed		Total	
	Month		Rate		Rate		Rate		Rate
Month	#	#	per Day	#	per Day	#	per Day	#	per Day
January	31	0	0.00	60	1.94	4	0.13	64	2.06
February	28	4	0.14	44	1.57	1	0.04	49	1.75
March	31	9	0.29	44	1.42	5	0.16	58	1.87
April	30	6	0.20	36	1.20	2	0.07	44	1.47
May	31	4	0.13	51	1.65	0	0.00	55	1.77
June	30	4	0.13	51	1.70	1	0.03	56	1.87
July	31	2	0.06	40	1.29	2	0.06	44	1.42
August	31	8	0.26	44	1.42	1	0.03	53	1.71
September	30	6	0.20	65	2.17	3	0.10	74	2.47
October	31	7	0.23	61	1.97	4	0.13	72	2.32
November	30	3	0.10	58	1.93	3	0.10	64	2.13
December	31	2	0.06	63	2.03	3	0.10	68	2.19
<b>Total</b>	<b>365</b>	<b>55</b>	<b>0.15</b>	<b>617</b>	<b>1.69</b>	<b>29</b>	<b>0.08</b>	<b>701</b>	<b>1.92</b>

- September (2.47), October (2.32), and December (2.19) had the highest rates per day of total pedestrian-motor vehicle crashes.
- March (0.16), January (0.13), and October (0.13) had the highest rates per day of pedestrian deaths.
- July (1.42) and April (1.47) had the lowest rates per day of total pedestrian-motor vehicle crashes.

### Pedestrian-Motor Vehicle Crashes by Day of Week (Utah 2006)

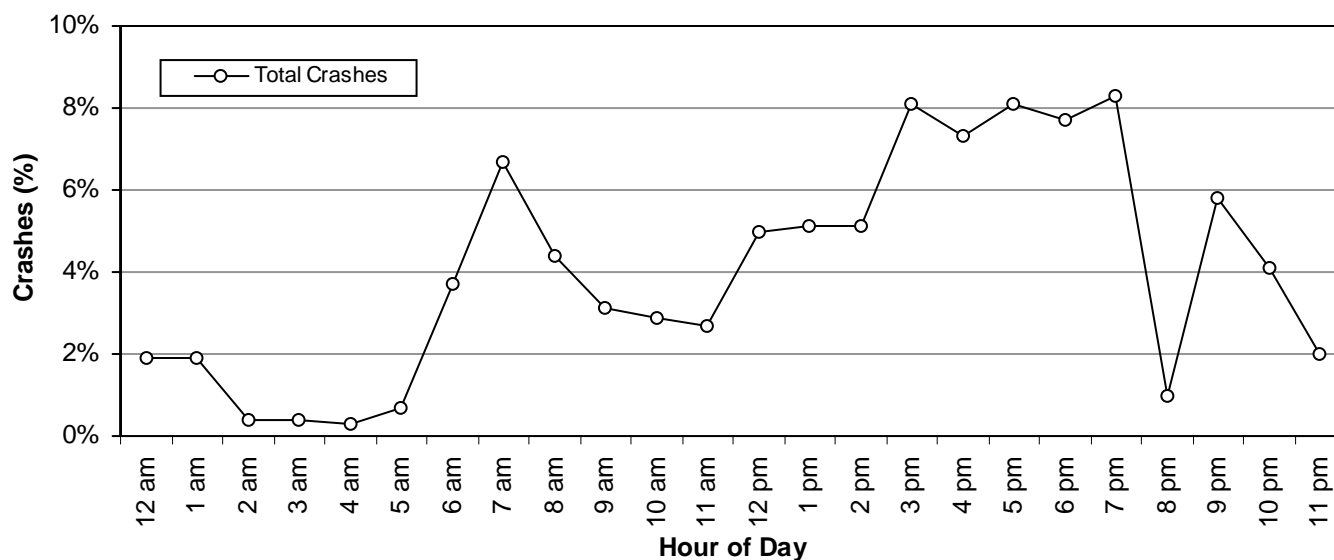
Pedestrians								
Day of Week	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Sunday	4	7.3%	44	7.1%	1	3.4%	49	7.0%
Monday	10	18.2%	74	12.0%	5	17.2%	89	12.7%
Tuesday	11	20.0%	118	19.1%	7	24.1%	136	19.4%
Wednesday	16	29.1%	106	17.2%	6	20.7%	128	18.3%
Thursday	8	14.5%	87	14.1%	3	10.3%	98	14.0%
Friday	1	1.8%	104	16.9%	4	13.8%	109	15.5%
Saturday	5	9.1%	84	13.6%	3	10.3%	92	13.1%
<b>Total</b>	<b>55</b>	<b>100.0%</b>	<b>617</b>	<b>100.0%</b>	<b>29</b>	<b>100.0%</b>	<b>701</b>	<b>100.0%</b>

- The highest percentage of total pedestrian-motor vehicle crashes (19.4%) and fatal pedestrian-motor vehicle crashes (24.1%) occurred on Tuesday.

## Pedestrian-Motor Vehicle Crash Characteristics

### Pedestrian-Motor Vehicle Crashes by Hour of Day (Utah 2006)

Hour	Pedestrians							
	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Midnight	0	0.0%	13	2.1%	0	0.0%	13	1.9%
1 a.m.	1	1.8%	11	1.8%	1	3.4%	13	1.9%
2 a.m.	0	0.0%	2	0.3%	1	3.4%	3	0.4%
3 a.m.	0	0.0%	3	0.5%	0	0.0%	3	0.4%
4 a.m.	0	0.0%	2	0.3%	0	0.0%	2	0.3%
5 a.m.	0	0.0%	4	0.6%	1	3.4%	5	0.7%
6 a.m.	2	3.6%	22	3.6%	2	6.9%	26	3.7%
7 a.m.	5	9.1%	39	6.3%	3	10.3%	47	6.7%
8 a.m.	2	3.6%	29	4.7%	0	0.0%	31	4.4%
9 a.m.	0	0.0%	22	3.6%	0	0.0%	22	3.1%
10 a.m.	1	1.8%	19	3.1%	0	0.0%	20	2.9%
11 a.m.	1	1.8%	17	2.8%	1	3.4%	19	2.7%
Noon	3	5.5%	31	5.0%	1	3.4%	35	5.0%
1 p.m.	6	10.9%	28	4.5%	2	6.9%	36	5.1%
2 p.m.	2	3.6%	34	5.5%	0	0.0%	36	5.1%
3 p.m.	5	9.1%	50	8.1%	2	6.9%	57	8.1%
4 p.m.	5	9.1%	45	7.3%	1	3.4%	51	7.3%
5 p.m.	5	9.1%	51	8.3%	1	3.4%	57	8.1%
6 p.m.	2	3.6%	47	7.6%	5	17.2%	54	7.7%
7 p.m.	5	9.1%	48	7.8%	5	17.2%	58	8.3%
8 p.m.	1	1.8%	28	4.5%	0	0.0%	29	4.1%
9 p.m.	3	5.5%	37	6.0%	1	3.4%	41	5.8%
10 p.m.	5	9.1%	23	3.7%	1	3.4%	29	4.1%
11 p.m.	1	1.8%	12	1.9%	1	3.4%	14	2.0%
<b>Total</b>	<b>55</b>	<b>100.0%</b>	<b>617</b>	<b>100.0%</b>	<b>29</b>	<b>100.0%</b>	<b>701</b>	<b>100.0%</b>



- Total pedestrian-motor vehicle crashes were more likely to occur between 3:00 p.m. and 7:00 p.m.
- Fatal pedestrian-motor vehicle crashes were highest during the 6:00 p.m. and 7:00 p.m. hours.

## Pedestrian-Motor Vehicle Crash Characteristics

### Urban/Rural Location of Pedestrian-Motor Vehicle Crashes (Utah 2006)

Pedestrians								
Location	Non-Injured		Injured		Killed		Total	
	#	Rate per	#	Rate per	#	Rate per	#	Rate per
		10,000		10,000		10,000		10,000
		Pop.		Pop.		Pop.		Pop.
Urban	48	0.24	520	2.63	23	0.12	591	2.99
Rural	7	0.11	97	1.51	6	0.09	110	1.72
<b>Total</b>	<b>55</b>	<b>0.21</b>	<b>617</b>	<b>2.36</b>	<b>29</b>	<b>0.11</b>	<b>701</b>	<b>2.68</b>

- Urban areas accounted for 84.3% of total pedestrian-motor vehicle crashes and 79.3% of pedestrian deaths.
- Urban areas had higher rates per population for both total pedestrian-motor vehicle crashes and pedestrian deaths.

### Location of Pedestrians in Pedestrian-Motor Vehicle Crashes (Utah 2006)

Pedestrians								
Pedestrian Location	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Intersection - Marked Crosswalk	16	29.1%	167	27.1%	5	17.2%	188	26.8%
In Roadway (not at intersection/crosswalk)	5	9.1%	146	23.7%	13	44.8%	164	23.4%
Intersection - Unmarked Crosswalk	4	7.3%	37	6.0%	8	27.6%	49	7.0%
Sidewalk	0	0.0%	29	4.7%	0	0.0%	29	4.1%
Shoulder	1	1.8%	23	3.7%	2	6.9%	26	3.7%
Roadside	0	0.0%	17	2.8%	0	0.0%	17	2.4%
Mid-block Crosswalk	1	1.8%	12	1.9%	0	0.0%	13	1.9%
Outside Right of Way	0	0.0%	6	1.0%	0	0.0%	6	0.9%
Path/Trail (bike or shared use)	0	0.0%	3	0.5%	0	0.0%	3	0.4%
Median	0	0.0%	1	0.2%	0	0.0%	1	0.1%
Other	2	3.6%	19	3.1%	0	0.0%	21	3.0%
Unknown	26	47.3%	157	25.4%	1	3.4%	184	26.2%
<b>Total</b>	<b>55</b>	<b>100.0%</b>	<b>617</b>	<b>100.0%</b>	<b>29</b>	<b>100.0%</b>	<b>701</b>	<b>100.0%</b>

- For total crashes, 48.4% (of known) occurred in a crosswalk (marked or unmarked) and 31.7% (of known) occurred in roadway not at intersection or crosswalk.
- For fatal crashes, 44.8% occurred in a crosswalk (marked or unmarked) and 44.8% occurred in roadway not at intersection or crosswalk.

### Alcohol and Other Drug Involvement of Pedestrians and Motor Vehicle Drivers (Utah 2006)



- Of the 29 pedestrians killed in 2006, none were impaired by alcohol or other drugs.
- Five of the 31 (16.1%) drivers in fatal pedestrian crashes were impaired.

## Pedestrian-Motor Vehicle Crash Characteristics

### Contributing Factors of Pedestrians in Crashes (Utah 2006)

Pedestrians								
Contributing Factors	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
None	18	32.7%	152	24.6%	7	24.1%	177	25.2%
Darting	2	3.6%	67	10.9%	7	24.1%	76	10.8%
Improper Crossing	5	9.1%	62	10.0%	8	27.6%	75	10.7%
Not Visible	1	1.8%	25	4.1%	5	17.2%	31	4.4%
Inattentive	1	1.8%	26	4.2%	0	0.0%	27	3.9%
In Roadway (standing, kneeling, lying)	2	3.6%	23	3.7%	1	3.4%	26	3.7%
Failure to Obey Traffic Signs/Signals	1	1.8%	11	1.8%	0	0.0%	12	1.7%
Failure to Yield Right of Way	0	0.0%	7	1.1%	0	0.0%	7	1.0%
Wrong Side of Road	0	0.0%	2	0.3%	0	0.0%	2	0.3%
Other	1	1.8%	28	4.5%	0	0.0%	29	4.1%
Unknown	24	43.6%	214	34.7%	1	3.4%	239	34.1%
<b>Total</b>	<b>55</b>	<b>100.0%</b>	<b>617</b>	<b>100.0%</b>	<b>29</b>	<b>100.0%</b>	<b>701</b>	<b>100.0%</b>

- Darting (16.5% of known), improper crossing (16.2% of known), and not visible (6.7% of known) were the leading contributing factors for pedestrians in total pedestrian-motor vehicle crashes.
- Improper crossing (27.6%) and darting (24.1%) were the leading contributing factors for pedestrians in fatal pedestrian-motor vehicle crashes.
- No pedestrian contributing factors were listed for 25.0% (of known) of the pedestrians killed and 38.3% (of known) of the total pedestrians in pedestrian-motor vehicle crashes.

### Type of Vehicles in Pedestrian-Motor Vehicle Crashes (Utah 2006)

Vehicles (Pedestrian-Motor Vehicle Crashes)								
Vehicle Type	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Passenger Car	21	56.8%	345	53.4%	15	48.4%	381	53.4%
Pickup Truck	6	16.2%	100	15.5%	5	16.1%	111	15.5%
SUV	3	8.1%	87	13.5%	3	9.7%	93	13.0%
Van	2	5.4%	38	5.9%	3	9.7%	43	6.0%
Bus	1	2.7%	9	1.4%	0	0.0%	10	1.4%
Semi/Large Truck	0	0.0%	8	1.2%	2	6.5%	10	1.4%
Motorcycle	0	0.0%	4	0.6%	0	0.0%	4	0.6%
Other	1	2.7%	13	2.0%	0	0.0%	14	2.0%
Unknown	3	8.1%	42	6.5%	3	9.7%	48	6.7%
<b>Total</b>	<b>37</b>	<b>100.0%</b>	<b>646</b>	<b>100.0%</b>	<b>31</b>	<b>100.0%</b>	<b>714</b>	<b>100.0%</b>

- The largest percentages of vehicles in total pedestrian-motor vehicle crashes were passenger car (53.4%), pickup truck (15.5%), and SUV (13.0%).
- Passenger car (48.4%) and pickup truck (16.1%) were in the most fatal pedestrian-motor vehicle crashes.

## Pedestrian-Motor Vehicle Crash Characteristics

### Vehicle Maneuver Prior to Crash (Utah 2006)

Vehicles (Pedestrian-Motor Vehicle Crashes)								
Vehicle Maneuver	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Straight Ahead	17	45.9%	327	50.6%	27	87.1%	371	52.0%
Turning Left	7	18.9%	78	12.1%	2	6.5%	87	12.2%
Turning Right	4	10.8%	80	12.4%	0	0.0%	84	11.8%
Parked	2	5.4%	36	5.6%	0	0.0%	38	5.3%
Changing Lanes	1	2.7%	24	3.7%	0	0.0%	25	3.5%
Overtaking/Passing	0	0.0%	23	3.6%	0	0.0%	23	3.2%
Backing	0	0.0%	17	2.6%	1	3.2%	18	2.5%
Slowing in Traffic Lane	1	2.7%	13	2.0%	0	0.0%	14	2.0%
Stopped in Traffic Lane	2	5.4%	9	1.4%	0	0.0%	11	1.5%
Entering Traffic Lane	0	0.0%	3	0.5%	1	3.2%	4	0.6%
Leaving Traffic Lane	0	0.0%	3	0.5%	0	0.0%	3	0.4%
Making U-turn	0	0.0%	3	0.5%	0	0.0%	3	0.4%
Parking Maneuvers	0	0.0%	3	0.5%	0	0.0%	3	0.4%
Other	2	5.4%	3	0.5%	0	0.0%	5	0.7%
Unknown	1	2.7%	24	3.7%	0	0.0%	25	3.5%
<b>Total</b>	<b>37</b>	<b>100.0%</b>	<b>646</b>	<b>100.0%</b>	<b>31</b>	<b>100.0%</b>	<b>714</b>	<b>100.0%</b>

- For total pedestrian-motor vehicle crashes, the leading vehicle maneuvers prior to the crash were straight ahead (52.0%), turning left (12.2%), and turning right (11.8%).
- For fatal pedestrian-motor vehicle crashes, the leading vehicle maneuver prior to the crash was straight ahead (87.1%).

### Pedestrian-Motor Vehicle Crashes by Speed Limit (Utah 2006)

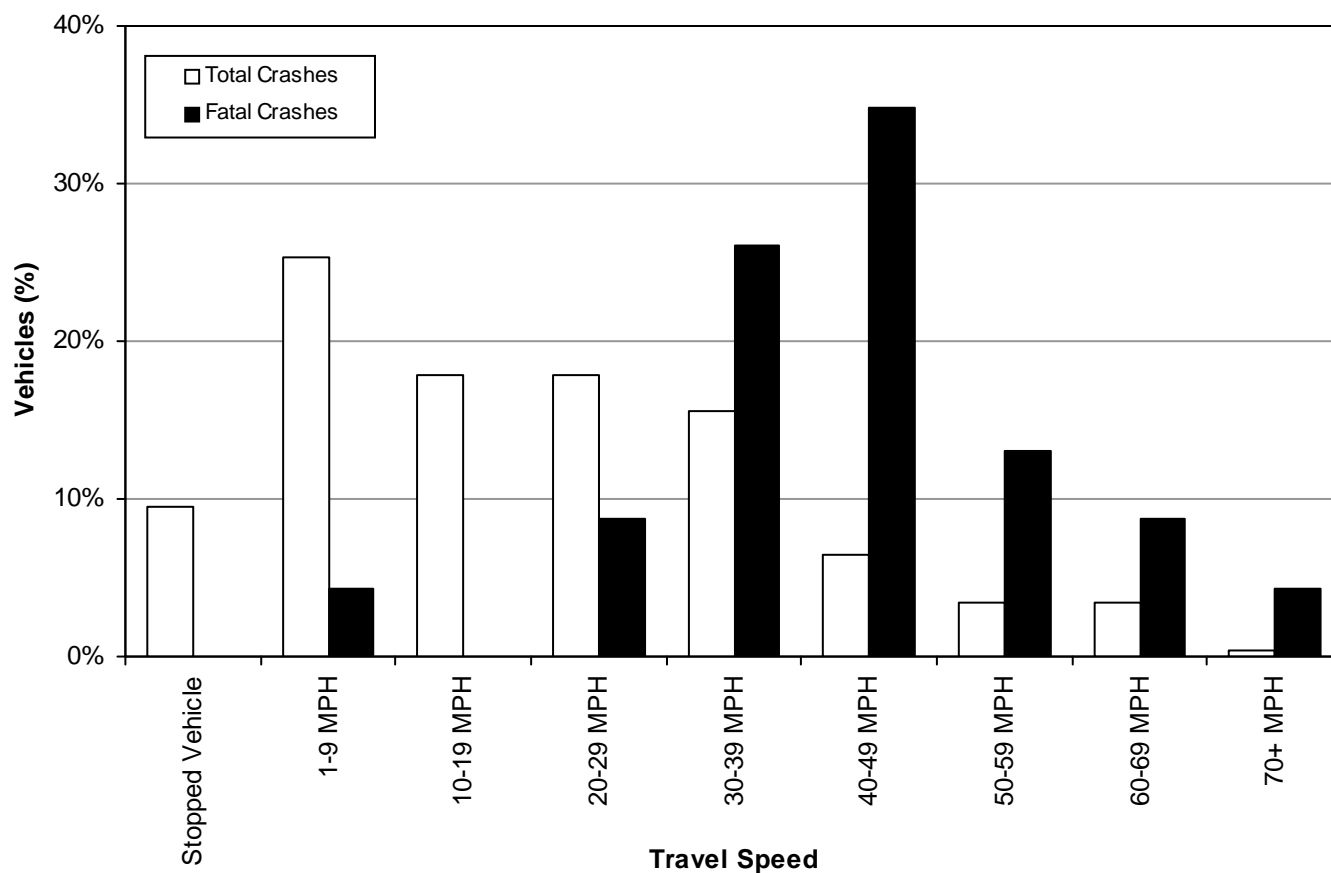
Vehicles (Pedestrian-Motor Vehicle Crashes)								
Speed Limit	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
5-15 MPH	1	2.7%	7	1.1%	0	0.0%	8	1.1%
20-25 MPH	6	16.2%	138	21.4%	4	12.9%	148	20.7%
30-35 MPH	7	18.9%	167	25.9%	7	22.6%	181	25.4%
40-45 MPH	7	18.9%	107	16.6%	10	32.3%	124	17.4%
50-55 MPH	0	0.0%	14	2.2%	7	22.6%	21	2.9%
60-65 MPH	0	0.0%	25	3.9%	2	6.5%	27	3.8%
70-75 MPH	1	2.7%	3	0.5%	1	3.2%	5	0.7%
Unknown	15	40.5%	185	28.6%	0	0.0%	200	28.0%
<b>Total</b>	<b>37</b>	<b>100.0%</b>	<b>646</b>	<b>100.0%</b>	<b>31</b>	<b>100.0%</b>	<b>714</b>	<b>100.0%</b>

- The majority (88.1% of known) of total pedestrian-motor vehicle crashes occurred where the speed limit was 20-45 MPH.
- Fatal pedestrian-motor vehicle crashes occurred most often where the speed limit was 30-55 MPH (77.4%).

## Pedestrian-Motor Vehicle Crash Characteristics

### Travel Speed of Vehicles in Pedestrian-Motor Vehicle Crashes (Utah 2006)

Vehicles (Pedestrian-Motor Vehicle Crashes)								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
Travel Speed	#	%	#	%	#	%	#	%
Stopped Vehicle	4	10.8%	41	6.3%	0	0.0%	45	6.3%
1-9 MPH	6	16.2%	113	17.5%	1	3.2%	120	16.8%
10-19 MPH	5	13.5%	80	12.4%	0	0.0%	85	11.9%
20-29 MPH	3	8.1%	80	12.4%	2	6.5%	85	11.9%
30-39 MPH	3	8.1%	65	10.1%	6	19.4%	74	10.4%
40-49 MPH	3	8.1%	20	3.1%	8	25.8%	31	4.3%
50-59 MPH	0	0.0%	13	2.0%	3	9.7%	16	2.2%
60-69 MPH	1	2.7%	13	2.0%	2	6.5%	16	2.2%
70-79 MPH	0	0.0%	1	0.2%	1	3.2%	2	0.3%
80-89 MPH	0	0.0%	0	0.0%	0	0.0%	0	0.0%
90+ MPH	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Unknown	12	32.4%	220	34.1%	8	25.8%	240	33.6%
<b>Total</b>	<b>37</b>	<b>100.0%</b>	<b>646</b>	<b>100.0%</b>	<b>31</b>	<b>100.0%</b>	<b>714</b>	<b>100.0%</b>



- The higher the speed of the vehicle the more likely the pedestrian was injured or killed in a crash.
- The majority (76.8% of known) of vehicles in total pedestrian-motor vehicle crashes were traveling 1-39 MPH.
- The majority (73.9% of known) of vehicles in fatal pedestrian-motor vehicle crashes were traveling 30-59 MPH.
- Pedestrians hit by a vehicle traveling 30 MPH or higher were 19 times more likely to die.



## Pedestrian-Motor Vehicle Crash Characteristics

### Pedestrian-Motor Vehicle Crash Violations (Utah 2006)

Drivers (Pedestrian-Motor Vehicle Crashes)								
Violations	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Failure to Yield Right of Way	0	0.0%	11	10.6%	0	0.0%	11	9.8%
Improper Lookout	0	0.0%	7	6.7%	0	0.0%	7	6.3%
Speed	0	0.0%	7	6.7%	0	0.0%	7	6.3%
Negligent Collision	0	0.0%	4	3.8%	0	0.0%	4	3.6%
Improper Start or Stop	1	50.0%	2	1.9%	0	0.0%	3	2.7%
Driving Under the Influence	0	0.0%	1	1.0%	1	16.7%	2	1.8%
Hit and Run	0	0.0%	2	1.9%	0	0.0%	2	1.8%
Vehicle Homicide	0	0.0%	0	0.0%	2	33.3%	2	1.8%
Equipment Violation	0	0.0%	0	0.0%	1	16.7%	1	0.9%
Improper Lane Change/Travel	0	0.0%	1	1.0%	0	0.0%	1	0.9%
Improper Turn	0	0.0%	1	1.0%	0	0.0%	1	0.9%
Insurance Violation	0	0.0%	1	1.0%	0	0.0%	1	0.9%
License Violation	0	0.0%	0	0.0%	1	16.7%	1	0.9%
Registration Violation	0	0.0%	0	0.0%	1	16.7%	1	0.9%
Alcohol/Drug Violation, Other than DUI	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Failure to Obey Traffic Control Device	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Failure to Stop at Red Light	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Failure to Stop at Stop Sign	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Following Too Close	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Improper Backing	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Improper Passing	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Reckless Driving	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Seatbelt/Child Restraint	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Wrong Side of Road	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other Moving Violation	1	50.0%	15	14.4%	0	0.0%	16	14.3%
Other Non-Moving Violation	0	0.0%	52	50.0%	0	0.0%	52	46.4%
<b>Total</b>	<b>2</b>	<b>100.0%</b>	<b>104</b>	<b>100.0%</b>	<b>6</b>	<b>100.0%</b>	<b>112</b>	<b>100.0%</b>

- In 2006, there were 112 citations issued to drivers at the scene of the crash. Failure to yield right of way (9.8%), improper lookout (6.3%), and speed (6.3%) were the leading violations for total pedestrian-motor vehicle crashes.
- The leading violation in fatal pedestrian-motor vehicle crashes was vehicle homicide.

## Pedestrian-Motor Vehicle Crash Characteristics

### Contributing Factors in Pedestrian-Motor Vehicle Crashes (Utah 2006)

Drivers/Vehicles (Pedestrian-Motor Vehicle Crashes)								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Failed to Yield Right of Way	4	12.9%	170	27.8%	4	22.2%	178	26.9%
Other Improper Driving	4	12.9%	55	9.0%	0	0.0%	59	8.9%
Driver Distraction	2	6.5%	51	8.3%	1	5.6%	54	8.2%
Hit and Run	6	19.4%	46	7.5%	2	11.1%	54	8.2%
Speed Too Fast	0	0.0%	28	4.6%	3	16.7%	31	4.7%
Defective Condition of Vehicle	2	6.5%	28	4.6%	0	0.0%	30	4.5%
Vision Obscured by Weather Condition	1	3.2%	27	4.4%	1	5.6%	29	4.4%
Vision Obscured by Glare	1	3.2%	20	3.3%	0	0.0%	21	3.2%
Vision Obscured by Moving Vehicle	0	0.0%	21	3.4%	0	0.0%	21	3.2%
Vision Obscured by Other	1	3.2%	20	3.3%	0	0.0%	21	3.2%
Vision Obscured by Parked Vehicle	1	3.2%	18	2.9%	0	0.0%	19	2.9%
Improper Turn	0	0.0%	17	2.8%	0	0.0%	17	2.6%
Driver Emotionally Upset	0	0.0%	16	2.6%	0	0.0%	16	2.4%
Driving Under the Influence	0	0.0%	14	2.3%	0	0.0%	14	2.1%
Reckless/Aggressive Driving	0	0.0%	6	1.0%	5	27.8%	11	1.7%
Swerved or Evasive Action	0	0.0%	7	1.1%	2	11.1%	9	1.4%
Windshield or Other Window Obscured	0	0.0%	9	1.5%	0	0.0%	9	1.4%
Failed to Keep in Proper Lane	0	0.0%	8	1.3%	0	0.0%	8	1.2%
Overcorrected	1	3.2%	7	1.1%	0	0.0%	8	1.2%
Disregard Traffic Signal/Sign	1	3.2%	6	1.0%	0	0.0%	7	1.1%
Other Driver Condition	2	6.5%	5	0.8%	0	0.0%	7	1.1%
Disregard Road Markings	1	3.2%	4	0.7%	0	0.0%	5	0.8%
Ran Off Road	0	0.0%	5	0.8%	0	0.0%	5	0.8%
Vision Obscured by Building, Sign	0	0.0%	5	0.8%	0	0.0%	5	0.8%
Improper Parking/Stopping	1	3.2%	3	0.5%	0	0.0%	4	0.6%
Improper Passing	1	3.2%	3	0.5%	0	0.0%	4	0.6%
Followed Too Closely	1	3.2%	2	0.3%	0	0.0%	3	0.5%
Improper Backing	0	0.0%	3	0.5%	0	0.0%	3	0.5%
Vision Obscured by Vegetation	0	0.0%	3	0.5%	0	0.0%	3	0.5%
Illness	0	0.0%	2	0.3%	0	0.0%	2	0.3%
Improper Lane Change	0	0.0%	2	0.3%	0	0.0%	2	0.3%
Wrong Side/Wrong Way	1	3.2%	1	0.2%	0	0.0%	2	0.3%
Asleep/Fatigue	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Improper Signal	0	0.0%	0	0.0%	0	0.0%	0	0.0%
<b>Total</b>	<b>31</b>	<b>100.0%</b>	<b>612</b>	<b>100.0%</b>	<b>18</b>	<b>100.0%</b>	<b>661</b>	<b>100.0%</b>

- Failed to yield right of way (26.9%), driver distraction (8.2%), and hit and run (8.2%) were the leading contributing factors in total pedestrian-motor vehicle crashes.
- Reckless/aggressive driving (27.8%), failed to yield right of way (26.9%), and speed too fast (16.7%) were the leading contributing factors in fatal pedestrian-motor vehicle crashes.